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PN - JP2000322168 A 20001124  
PD - 2000-11-24  
PR - JP19990132978 19990513  
OPD - 1999-05-13  
TI - METHOD AND DEVICE FOR CURSOR POSITION GUIDANCE ON  
SCREEN OF ELECTRONIC DISPLAY DEVICE  
IN - ICHISE HIROSHI  
PA - TOYO COMMUNICATION EQUIP  
IC - G06F3/00 ; G06F3/00 ; G06F3/033

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TI - Cursor position warning procedure for use with personal computer,  
involves generating audible sounds with frequency proportional to  
deviation of cursor from the origin  
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PA - (TOCM ) TOYO COMMUNICATION EQUIP CO  
IC - G06F3/00 ;G06F3/033  
AB - JP2000322168 NOVELTY - Cursor position on screen of computer  
is expressed with X and Y coordinates, and is alerted by the  
generation of audible sound. The audible sound is generated with a  
frequency proportional to the deviation of the cursor from the origin  
of X and Y coordinates.  
- DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also  
included for cursor position warning apparatus.  
- USE - For warning about cursor position on screen of personal  
computer.  
- ADVANTAGE - Operation efficiency of the computer is improved  
when it is used with a device such as mouse.  
- DESCRIPTION OF DRAWING(S) - The figure shows the block  
diagram of the cursor position warning apparatus.  
- (Dwg.1/8)  
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- IN - ICHISE HIROSHI
- PA - TOYO COMMUN EQUIP CO LTD
- TI - METHOD AND DEVICE FOR CURSOR POSITION GUIDANCE ON  
SCREEN OF ELECTRONIC DISPLAY DEVICE
- AB - PROBLEM TO BE SOLVED: To obtain a method for cursor position  
guidance on an electronic display device screen which makes it  
easy to confirm a cursor position by representing the cursor  
position as X and Y coordinates and generating and outputting an  
audible tone corresponding to the extent of deviation from X and Y  
reference points.
- SOLUTION: A control part106 generates a frequency control signal  
X and a frequency control signal Y corresponding to the respective  
X coordinate and Y coordinate of a position according to a cursor  
position coordinate signal corresponding to the position inputted  
from a computer main body102. A variable frequency oscillator  
107a generates an X audible signal corresponding to the frequency  
signal X and a variable frequency oscillator 107b generates a Y  
audible signal corresponding to the frequency control signal Y. The  
X audible signal and Y audible signal are synthesized by an adder  
108, amplified by an amplifier109, and then outputted as an  
audible sound from a speaker 110. With the audible sound from the  
speaker 110, the position of the cursor on the screen of a CRT 103  
can easily be found.
- I - G06F3/00 ;G06F3/033